What is claimed is:

1. A pelvic prosthesis, said prosthesis comprising:

(a) a ball socket adapted to replace the acetabulum;

(b) an anterior fanned wing extending upward from said ball socket; and

(c) a posterior fanned wing extending upward from said ball socket, said posterior fanned wing being spaced apart from said anterior fanned wing.

2. A pelvic prosthesis as set forth in claim 1 wherein said posterior fanned wing is substantially parallel to said anterior fanned wing.

3. A pelvic prosthesis as set forth in claim 1 wherein said ball socket utilizes a constrained liner.

4. A pelvic prosthesis as set forth in claim 1 wherein said ball socket utilizes a non-constrained liner.

5. A pelvic prosthesis as set forth in claim 1 wherein said fanned wings are fixed to the pelvis.

6. A pelvic prosthesis as set forth in claim 1 wherein said fanned wings are offset curved surfaces.

7. A pelvic prosthesis according to claim 1 further comprising a stabilizing hump extending between and substantially perpendicular to said anterior fanned wing and said posterior fanned wing.

8. A pelvic prosthesis as set forth in claim 1 further comprising an extension device for interconnecting the pelvic prosthesis with a femoral component.

9. A pelvic prosthesis according to claim 1 wherein said anterior fanned wing defines al least two spaced apart pin receiving holes.

10. A pelvic prosthesis according to claim 9 wherein said pin receiving holes have countersinks.

11. A pelvic prosthesis according to claim 1 wherein said anterior fanned wing is substantially taller than said posterior fanned wing.

12. A pelvic prosthesis according to claim 11 wherein said anterior fanned wing is approximately twice as tall as said posterior fanned wing.

13. A pelvic prosthesis according to claim 9 wherein said posterior fanned wing defines two spaced apart pin receiving holes which are aligned with the pin receiving holes defined by said anterior fanned wing.

14. A pelvic prosthesis according to claim 9 wherein the two spaced apart holes are spaced apart in the medial-lateral direction.

15. A pelvic prosthesis according to claim 13 wherein the spaced apart holes on said anterior fanned wing include a lateral anterior hole and a medial anterior hole, and the spaced apart holes on said posterior fanned wing include a lateral posterior hole and a medial posterior hole.

16. A pelvic prosthesis according to claim 15 wherein said lateral anterior hole, said medial anterior hole, said lateral posterior hole, and said medial posterior hole are arranged such that a first pin extending through said lateral anterior hole and said lateral posterior hole is not parallel to a second pin extending through said medial anterior hole and said medial posterior hole.

17. A trial component for preparing a bone for receiving a pelvic prosthesis, said trial component comprising:

(a) an anterior fanned wing defining two spaced apart drill guides; and

(b) a posterior fanned wing defining two spaced apart holes corresponding to said drill guides, said posterior fanned wing being spaced apart from and substantially parallel to said anterior fanned wing.

18. A trial component according to claim 17 further comprising a ball socket depending from said anterior fanned wing and said posterior fanned wing.

19. A trial component according to claim 17 wherein said anterior fanned wing defines a notch preparation drill guide spaced apart from said two spaced apart drill guides, and said posterior fanned wing defines a spaced apart hole corresponding to said notch preparation drill guide.

20. A trial component according to claim 19 wherein each of said drill guides has an upstanding collar.

21. A trial component according to claim 19 wherein a first one of said drill guides is a lateral drill guide, a second one of said drill guides is a medial drill guide, and the notch preparation drill guide is located between and below the first two drill guides.

22. A trial component according to claim 21 wherein said anterior fanned wing defines two windows, one on either side of said notch preparation drill guide.

23. A trial component according to claim 17 wherein said anterior fanned wing is substantially taller than said posterior fanned wing.

24. A trial component according to claim 23 wherein said anterior fanned wing is approximately twice as tall as said posterior fanned wing.

25. A trial component according to claim 21 wherein said lateral drill guide and said medial drill guide are arranged such that a first hole drilled through said lateral drill guide is not parallel to a second hole drilled through said medial drill guide.

26. A method for implanting a pelvic prosthesis having two upstanding spaced apart fanned wings, each wing having a pair of pin receiving holes, and a depending ball socket, using a trial component having two upstanding spaced apart fanned wings, at least one of the wings having two spaced apart drill guides, said method comprising the steps of:

(a) resecting the pelvis as needed;

(b) placing the trial component over the ilium;

(c) locating the trial component to the desired position;

(d) drilling holes in the ilium using the drill

guides on the trial component;

(e) removing the trial component;

(f) placing the prosthesis over the ilium;

(g) aligning the holes in the prosthesis with the holes drilled in the ilium;

(h) inserting pins through the holes of the prosthesis into the holes drilled in the ilium; and

(i) filling cement between the ilium and the prosthesis.

27. A method according to claim 26, wherein the pelvic prosthesis has a stabilizing hump extending between and substantially perpendicular to the upstanding wings and the trial component has a notch preparation drill guide, said method further comprising the step of, prior to said step of removing, inserting temporary pins in the two drill guides of the trial component and drilling through the notch preparation drill guide, wherein said step of aligning includes aligning the stabilizing hump with a notch formed by drilling through the notch preparation drill guide.

28. A method as set forth in claim 26 further comprising the step of utilizing a femoral extension device to interconnect the prosthesis and a femoral component.